Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1-14. (Cancelled)

15. (Previously Presented)   A method of retrieving data over a network at a target bandwidth, B_T, comprising:

      (1)   transmitting a request for data to a server over the network;

      (2)   receiving the data from the server over the network;

      (3)   calculating a wait time based on the target bandwidth and an aggregate bytes count, $bytes_{AGG}$, wherein $bytes_{AGG}$ is an aggregate number of bytes received from the server, and wherein step (3) includes

           (A)   determining a start time, T_{START}, based on the request for data of step (1),

           (B)   incrementing the aggregate bytes count, $bytes_{AGG}$, by the number of bytes received in step (2),

           (C)   determining a current time, T_{NOW}, and

           (D)   calculating the wait time according to the equation

           $$\text{wait time} = (bytes_{AGG})/B_T - (T_{NOW} - T_{START});$$

      (4)   waiting the calculated wait time;

      (5)   transmitting a request for additional data to the server over the network after step (4); and

(6)   receiving the additional data from the server over the network.

16. (Previously Presented)   The method of claim 15, further comprising:

(7)   repeating steps (4)-(6) for further additional data until all desired data is retrieved from the server over the network.

17-18. (Cancelled)

19. (Previously Presented)   The method of claim 15, wherein step (3) further includes

(E) repeating steps (1) and (2) a plurality of times for additional data;

wherein step (B) includes incrementing the aggregate bytes count, $bytes_{AGG}$, by the number of bytes received in each step (2).

20. (Cancelled)

21. (Previously Presented)   A computer system, comprising:

transmitting means for transmitting requests for data to a server over a network;

receiving means for receiving said data from said server over said network; and

a timing module that calculates a wait time based on an aggregate bytes count, $bytes_{AGG}$, and a target bandwidth, B_T, at which rate data is desired to be retrieved from said server over said network, wherein $bytes_{AGG}$ is an aggregate number of bytes received from said server;

wherein said transmitting means delays transmitting requests for data to said server over said network by said calculated wait time;

wherein said timing module determines a start time, T_{START}, corresponding to when said transmitting means transmits a request for data to said server over said network;

wherein said timing module detects a number of bytes received by said receiving means due to a transmitted request;

wherein said timing module increments said aggregate bytes count, $bytes_{AGG}$, by said number of bytes received;

wherein said timing module determines a current time, T_{NOW}, after at least one iteration of said timing module detecting a number of bytes received by said receiving means due to a transmitted request; and

wherein said timing module calculates said wait time according to the equation

$$\text{wait time} = (bytes_{AGG})/B_T - (T_{NOW} - T_{START}).$$

22-23. (Cancelled)

24. (Previously Presented)   The computer system of claim 21, wherein said network is the Internet.

25. (Currently Amended)   A computer program product comprising a <u>tangible</u> computer useable medium having computer program logic recorded thereon for enabling a processor to retrieve data over a network at a target bandwidth, B_T, comprising:

calculating means for enabling a processor to calculate a wait time based on an

aggregate bytes count, $bytes_{AGG}$, and a target bandwidth, B_T, at which rate data is desired

to be retrieved from a server over said network, wherein $bytes_{AGG}$ is an aggregate

number of bytes received from said server; and

delaying means for enabling a processor to delay transmitting requests for data to

said server over said network by said calculating wait time;

determining means for enabling a processor to determine start time, T_{START},

corresponding to when a request for data is transmitted to said server over said network;

detecting means for enabling a processor to detect a number of bytes received due

to a transmitted request;

incrementing means for enabling a processor to increment said aggregate bytes

count, $bytes_{AGG}$, said number of bytes received; and

determining means for enabling a processor to determine a current time, T_{NOW},

after at least one iteration of detecting a number of bytes received due to a transmitted

request;

wherein calculating means enables a processor to calculate said wait time

according to the equation

$$\text{wait time} = (bytes_{AGG})/B_T - (T_{NOW} - T_{START}).$$

26-27. (Cancelled)

28. (Previously Presented)   The computer program product of claim 25, wherein the

network is the internet.